

ABSTRACT OF THE DISCLOSURE

A method and apparatus for distributing information in an assisted-SPS system. The method and apparatus receive information comprising at least one of ionospheric information, clock information, and satellite integrity information from a first satellite in a first satellite network, where the received information pertains to at least one satellite in a second satellite. The received information is combined with assistance data to form augmented assistance data. The augmented assistance data is coupled to a mobile receiver, where the mobile receiver uses the augmented assistance data to process satellite signals from at least one satellite in the second satellite system. Alternatively, the received information can be used by a server to improve the accuracy of a position computation for the mobile receiver.